

| | | | | | |
|--------------|------------|--------------|------------|--------------|-----|
| CCCCCCCCCCCC | 0000000000 | BBBBBBBBBBBB | RRRRRRRRRR | TTTTTTTTTTTT | LLL |
| CCCCCCCCCCCC | 0000000000 | BBBBBBBBBBBB | RRRRRRRRRR | TTTTTTTTTTTT | LLL |
| CCCCCCCCCCCC | 0000000000 | BBBBBBBBBBBB | RRRRRRRRRR | TTTTTTTTTTTT | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCC | 000 | 000 BBB | BBB RRR | RRR | LLL |
| CCCCCCCCCCCC | 0000000000 | BBBBBBBBBBBB | RRR | RRR | TTT |
| CCCCCCCCCCCC | 0000000000 | BBBBBBBBBBBB | RRR | RRR | TTT |
| CCCCCCCCCCCC | 0000000000 | BBBBBBBBBBBB | RRR | RRR | TTT |

FILEID**COBACCDAT

F 11

CCCCCCCC 000000 88888888 AAAAAA CCCCCCCC CCCCCCCC DDDDDDDD AAAAAA TTTTTTTT
CCCCCCCC 000000 88888888 AAAAAA CCCCCCCC CCCCCCCC DDDDDDDD AAAAAA TTTTTTTT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
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CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
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CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CC 00 00 88 88 AA AA CC CC DD DD AA AA TT
CCCCCCCC 000000 88888888 AA AA CCCCCCCC CCCCCCCC DDDDDDDD AA AA TT
CCCCCCCC 000000 88888888 AA AA CCCCCCCC CCCCCCCC DDDDDDDD AA AA TT
...

A 10x10 grid of binary digits (0s and 1s) representing a 2D convolution operation. The input layer (left) has 10 columns of 0s. The filter (top) has 5 columns of 1s. The output layer (right) has 6 columns of 0s and 5 columns of 1s, indicating a stride of 2.

```
1 0001 0 MODULE COBSACC_DATE {
2 0002 0   IDENT = '1-005'
3 0003 0   ) =
4 0004 1 BEGIN
5 0005 1
6 0006 1
7 0007 1 ****
8 0008 1 *
9 0009 1 * COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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23 0023 1 *
24 0024 1 * DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE OR RELIABILITY OF ITS
25 0025 1 * SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
26 0026 1 *
27 0027 1 *
28 0028 1 ****
29 0029 1
30 0030 1
31 0031 1 ++
32 0032 1   FACILITY: COBOL SUPPORT
33 0033 1
34 0034 1   ABSTRACT
35 0035 1
36 0036 1
37 0037 1
38 0038 1   ENVIRONMENT: Vax-11 User Mode
39 0039 1
40 0040 1   AUTHOR: MLJ , CREATION DATE: 16-JAN-1979
41 0041 1
42 0042 1   MODIFIED BY:
43 0043 1
44 0044 1   1-001 - Original. MLJ 16-JAN-1979
45 0045 1   1-002 - Added boilerplate and comments. RKR 18-JULY-1979
46 0046 1   1-003 - Declare psects via library macro. RKR 23-AUG-1979
47 0047 1   1-004 - Change symbolic name of LIBRARY file. RKR 1-OCT-79
48 0048 1   1-005 - Cosmetic changes. RKR 18-OCT-79
49 0049 1
50 0050 1   --
51 0051 1
52 0052 1   !<BLF/PAGE>
```

```
54      0053 1 | SWITCHES
55      0054 1 |
56      0055 1 |
57      0056 1 |
58      0057 1 | SWITCHES ADDRESSING_MODE (EXTERNAL = GENERAL, NONEXTERNAL = WORD_RELATIVE);
59      0058 1 |
60      0059 1 |
61      0060 1 | LINKAGES
62      0061 1 |
63      0062 1 |     NONE
64      0063 1 |
65      0064 1 | TABLE OF CONTENTS:
66      0065 1 |
67      0066 1 | FORWARD ROUTINE
68      0067 1 |
69      0068 1 |     COBSACC_DATE : NOVALUE ;
70      0069 1 |
71      0070 1 | INCLUDE FILES
72      0071 1 |
73      0072 1 |
74      0073 1 | REQUIRE 'RTLIN:RTLPSECT' ;      ! Macros for psect declarations
75      0168 1 | LIBRARY 'RTLSTARLE';
76      0169 1 |
77      0170 1 |
78      0171 1 | MACROS
79      0172 1 |
80      0173 1 |     NONE
81      0174 1 |
82      0175 1 | EQUATED SYMBOLS
83      0176 1 |
84      0177 1 |     NONE
85      0178 1 |
86      0179 1 | PSECT DECLARATIONS:
87      0180 1 |
88      0181 1 | DECLARE_PSECTS (COB) ;      ! Psects for COB$ facility
89      0182 1 |
```

```
91      0183 1 GLOBAL ROUTINE COBSACC_DATE(DST): NOVALUE=
92      0184 1
93      0185 1  ++ FUNCTIONAL DESCRIPTION
94      0186 1
95      0187 1      Returns date as YYMMDD
96      0188 1
97      0189 1
98      0190 1
99      0191 1
100     0192 1
101     0193 1
102     0194 1
103     0195 1
104     0196 1
105     0197 1
106     0198 1
107     0199 1
108     0200 1
109     0201 1
110     0202 1
111     0203 1
112     0204 1
113     0205 1
114     0206 1
115     0207 1
116     0208 1
117     0209 1
118     0210 1
119     0211 1
120     0212 1
121     0213 2
122     0214 2
123     0215 2
124     0216 2
125     0217 2
126     0218 2
127     0219 2
128     0220 2
129     0221 2
130     0222 2
131     0223 2
132     0224 2
133     0225 2
134     0226 2
135     0227 2
136     0228 2
137     0229 2
138     0230 2
139     0231 2
140     0232 2
141     0233 2
142     0234 2
143     0235 3
144     0236 3
145     0237 3
146     0238 4
147     0239 4

1     FORMAL PARAMETERS:
2         DST.wt.ds      Address of string descriptor to receive date
3
4     IMPLICIT INPUTS:
5         Date, as supplied by $ASCTIM call
6
7     IMPLICIT OUTPUTS:
8         NONE
9
10    ROUTINE VALUE:
11    COMPLETION CODES:
12        NONE
13
14    SIDE EFFECTS:
15        NONE
16
17    --
18
19    BEGIN
20        MAP
21        DST:      REF BLOCK[,BYTE];      ! Pointer to destination descriptor
22
23        BIND
24        MONTHNAME = UPLIT(
25            'JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC ')
26            : BLOCK[,LONG];
27
28        MONTHNUM = UPLIT(
29            '010203040506070809101112')
30            : BLOCK[,WORD];
31
32        LOCAL
33        TIMBUF:      BLOCK[11,BYTE];
34        BUFFER:      BLOCK[6,BYTE];
35        TIMDESC:     VECTOR[2];
36
37        ! Buffer for $ASCTIM
38        ! Buffer for assembling output
39        ! Descriptor for TIMBUF
40
41        TIMDESC[0] = 11;
42        TIMDESC[1] = TIMBUF;
43        $ASCTIM(TIMBUF=TIMDESC);
44        BUFFER[0,0,16,0] = .TIMBUF[9,0,16,0];
45
46        ! Set up descriptor
47        ! Get date
48        ! Copy year of century
49
50        INCR I FROM 0 TO 11 DO
51            BEGIN
52                IF .MONTHNAME[.I,0,24,0] EQL .TIMBUF[3,0,24,0]
53                THEN
54                    BEGIN
55                        ! Copy month of year
56                        BUFFER[2,0,16,0] = .MONTHNUM[.I,0,16,0];
57
58
59
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66
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```

```

: 148      0240 4      EXITLOOP;
: 149      0241 5      END;
: 150      0242 2      END;
: 151      0243 2      END;
: 152      0244 2      IF .BUFFER[4,0,16,0] = .TIMBUF[0,0,16,0];
: 153      0245 2      CHSCOPY(6, BUFFER, %C'', .DST[DSCSW_LENGTH], .DST[DSCSA_POINTER]);
: 154      0246 1      END;

```

```

.TITLE COBSACC_DATE
.IDENT \1-005\

```

```

.PSECT _COBSCODE,NOWRT, SHR, PIC,2

```

```

52 50 41 20 52 41 4D 20 42 45 46 20 4E 41 4A 00000 P.AAA: .ASCII \JAN FEB MAR APR MAY JUN JUL AUG SEP OCT \
55 41 20 4C 55 4A 20 4E 55 4A 20 59 41 4D 20 0000F
20 54 43 4F 20 50 45 53 20 47 0001E
30 37 30 36 30 35 30 34 30 33 30 32 30 31 39 31 30 00028
32 31 31 31 30 31 30 31 39 30 38 00030 P.AAB: .ASCII \NOV DEC \
30 31 31 31 30 31 30 31 39 30 38 0003F

```

```

MONTHNAME= P.AAA
MONTHNUM= P.AAB
.EXTRN SYSSASCTIM

```

| | | | | | |
|--|--|--------------|---------------------|---------------------------------------|------|
| | | | 003C 00000 | .ENTRY COBSACC_DATE, Save R2,R3,R4,R5 | 0183 |
| | | 5E | 18 C2 00002 | SUBL2 #24, SP | 0230 |
| | | 04 AE | 0B DD 00005 | PUSHL #11 | 0231 |
| | | | 10 AE 9E 00007 | MOVAB TIMBUF, TIMDESC+4 | 0232 |
| | | | 7E 7C 0000C | CLRQ -(SP) | |
| | | | 08 AE 9F 0000E | PUSHAB TIMDESC | |
| | | | 7E D4 00011 | CLRL -(SP) | |
| | | | 04 FB 00013 | CALLS #4, SYSSASCTIM | |
| | | 00000000G 00 | 19 AE B0 0001A | MOVW TIMBUF+9, BUFFER | 0233 |
| | | 08 AE | 50 D4 0001F | CLRL I | 0236 |
| | | | 00 EF 00021 1\$: | EXTZV #0, #24, TIMBUF+3, R1 | |
| | | 51 13 AE | 8D AF40 DF 00027 | PUSHAL MONTHNAME[I] | |
| | | | 00 ED 0002B | CMPZV #0, #24, @SP+, R1 | |
| | | 51 9E | 08 12 00030 | BNEQ 2S | |
| | | | 82 AF40 B0 00032 | MOVW MONTHNUM[I], BUFFER+2 | 0239 |
| | | 0A AE | 04 11 0003B | BRB 3S | 0238 |
| | | E3 | 0B F3 0003A 2\$: | AOBLEQ #11, I, 1\$ | 0234 |
| | | OC AE | 10 AE B0 0003E 3\$: | MOVW TIMBUF, BUFFER+4 | 0243 |
| | | 20 | 0C AE 91 00043 | CMPB BUFFER+4, #32 | 0244 |
| | | | 04 12 00047 | BNEQ 4S | |
| | | OC AE | 30 90 00049 | MOVB #48, BUFFER+4 | |
| | | 50 | 04 AC D0 0004D 4\$: | MOVL DST, R0 | |
| | | 08 AE | 06 2C 00051 | MOVCS #6, BUFFER, #32, (R0), @4(R0) | 0245 |
| | | 20 | 04 B0 00057 | RET | 0246 |
| | | | 04 00059 | | |

```

; Routine Size: 90 bytes. Routine Base: _COBSCODE + 0048

```

```

: 155      0247 1
: 156      0248 0 EN ELUDOM

```

PSECT SUMMARY

| Name | Bytes | Attributes |
|------------|-------|---|
| _COB\$CODE | 162 | NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2) |

Library Statistics

| File | ----- | Symbols | ----- | Pages | Processing |
|---------------------------------------|-------|---------|---------|--------|------------|
| | Total | Loaded | Percent | Mapped | Time |
| \$_\$255\$DUA28:[SYSLIB]STARLET.L32;1 | 9776 | 5 | 0 | 581 | 00:00.8 |

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACE/LIS=LIS\$:COBACCDAT/OBJ=OBJ\$:COBACCDAT MSRC\$:COBACCDAT/UPDATE=(ENHS:COBACCDAT
)

Size: 90 code + 72 data bytes
Run Time: 00:03.1
Elapsed Time: 00:20.8
Lines/CPU Min: 4815
Lexemes/CPU-Min: 26718
Memory Used: 56 pages
Compilation Complete

0060 AH-BT13A-SE
VAX/VMS V4.0

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